AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) An apparatus for default encryption of audio/video content for

distribution, comprising:

a conditional access encryption system that uses changing encryption code words as live

encryption keys;

a conditional access management system that communicates with and manages the

conditional access encryption system, wherein the conditional access management system

provides the live encryption keys to the conditional access encryption system and periodically

changes the <u>live</u> encryption keys; and

a non-volatile memory storing fixed default encryption information in a configuration

table for use by the conditional access encryption system to encrypt certain categories of

audio/video content that are always to be encrypted upon a communication failure between the

conditional access encryption system and the conditional access management system in which

said communication failure results in an inability for the conditional access management system

to provide the live encryption keys to the conditional access encryption system which would

otherwise result in the audio/video content being distributed unencrypted; the default encryption

key being distinct from keys supplied by and periodically changed by the conditional access

management system; and

where the conditional access encryption system utilizes the fixed default encryption

information to provide encryption to the certain categories of audio/video content that are always

to be encrypted during times when the communication failure prohibits communication of live

encryption keys to the conditional access encryption system.

2. (Currently Amended) The apparatus of claim 1, wherein the fixed default encryption

information comprises fixed default encryption keys.

3. (Currently Amended) The apparatus of claim 2, wherein the fixed default encryption keys are

unique for each of a plurality of channels.

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4. (Currently Amended) The apparatus of claim 1, further comprising a control computer that

initializes the configuration memory with the fixed default encryption information.

5. (Cancelled Without Prejudice)

6. (Currently Amended) The apparatus of claim 1, wherein the content is encrypted with the

fixed default encryption information if a communication failure occurs between the conditional

access management system and the conditional access encryption system.

7. (Currently Amended) The apparatus of claim 1, wherein the content is encrypted with the

fixed default encryption information if communication cannot be established between the

conditional access management system and the conditional access encryption system.

8. (Original) The apparatus according to claim 1, wherein the conditional access system provides

selective encryption of the content.

9. (Currently Amended) An apparatus for default encryption of audio/video content, comprising:

a conditional access system;

means for encrypting content in the conditional access system that uses changing

encryption code words as encryption keys;

means for managing the conditional access system, wherein the means for managing

provides the live encryption keys to the means for encrypting and periodically changes the live

encryption keys;

means for communicating between the managing means and the encrypting means;

means for storing fixed default encryption information in a configuration for the

conditional access system in a non-volatile manner for use by the conditional access system to

encrypt certain categories of audio/video content that are always to be encrypted upon a

communication failure between the conditional access system and the managing means in which

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said communication failure results in an inability for the managing means to provide the means

for encryption keys to the means for encrypting which would otherwise result in the audio/video

content being distributed unencrypted, where the means for encrypting utilizes the fixed default

encryption information to provide encryption to the certain categories of audio/video content that

are always to be encrypted during times when the communication failure prohibits

communication of live encryption keys to the means for encrypting the default encryption key

being distinct from keys supplied by and periodically changed by the means for managing; and

means for configuring the storing means with the <u>fixed</u> default encryption information.

10. (Currently Amended) The apparatus of claim 9, wherein the fixed default encryption

information comprises fixed default encryption keys.

11. (Currently Amended) The apparatus of claim 10, wherein the <u>fixed</u> default encryption keys

are unique for each of a plurality of channels.

12. (Cancelled Without Prejudice)

13. (Currently Amended) The apparatus of claim 9, wherein the content is encrypted with the

fixed default encryption information if a communication failure occurs between the management

means and the encrypting means.

14. (Currently Amended) The apparatus of claim 9, wherein the content is encrypted with the

fixed default encryption information if communication cannot be established between the

management means and the encrypting means.

15. (Original) The apparatus according to claim 9, wherein the conditional access system

provides selective encryption of the content.

16. (Currently Amended) A method of default encryption of audio/video content for distribution,

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comprising:

initializing a non-volatile default configuration memory with fixed default encryption

information for use in encryption of certain categories of audio/video content that are always to

be encrypted;

communicating with a conditional access management system to retrieve active

encryption information for a conditional access system;

the default eneryption being distinct from active eneryption information supplied by the

eonditional access management system

encrypting the certain categories of audio/video content for distribution with the active

encryption information;

distributing the certain categories of audio/video content encrypted with active encryption

information;

if a communication failure occurs between the conditional access management system

and the conditional access system in which said communication failure results in an inability for

the conditional access management system to provide updated active encryption information to

support the encrypting which would otherwise result in the certain categories of audio/video

content being distributed unencrypted:

reading the fixed default encryption information from the default configuration

memory;

encrypting the certain categories of audio/video content that are always to be

encrypted with the fixed default encryption information; [[and]]

distributing the certain categories of audio/video content encrypted with the fixed

default encryption information; and,

whereby the conditional access encryption system utilizes the fixed default encryption

information to provide encryption to the certain categories of audio/video content that are always

to be encrypted during times when the communication failure prohibits communication of live

encryption keys to the conditional access encryption system.

17. (Currently Amended) The method of claim 16, further comprising:

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if communication is restored between the conditional access management system and the conditional access system:

communicating with the conditional access management system to retrieve active encryption information for the conditional access system;

encrypting the <u>certain categories of</u> audio/video content for distribution with the active encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with active encryption information.

- 18. (Currently Amended) The method of claim 16, wherein the <u>fixed</u> default encryption information comprises <u>fixed</u> default encryption keys.
- 19. (Currently Amended) The method of claim 18, wherein the <u>fixed</u> default encryption keys are unique for each of a plurality of channels.
- 20. (Cancelled Without Prejudice)
- 21. (Original) The method of claim 16, wherein the encryption comprises selective encryption.
- 22. (Original) A computer readable medium storing instructions which, when executed on a programmed processor, carry out the process according to claim 16.
- 23. (Currently Amended) A method of default encryption of audio/video content for distribution, comprising:

initializing a <u>non-volatile</u> default configuration memory with default encryption information;

attempting to communicate with a conditional access management system to retrieve active encryption information for a conditional access system;

if communication cannot be established between the conditional access management

system and the conditional access system such that said not establishing communication results in an inability for the conditional access management system to provide the active encryption information to the conditional access encryption system which would otherwise result in the certain categories of audio/video content that are always to be encrypted being distributed unencrypted:

reading the <u>fixed</u> default encryption information from the default configuration memory, the <u>default encryption information</u> <u>being distinct active encryption information</u> <u>supplied by the conditional access management system</u>;

encrypting the <u>certain categories of</u> audio/video content with the <u>fixed</u> default encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with the <u>fixed</u> default encryption information <u>so that the conditional access encryption system utilizes the fixed default encryption information to provide encryption to the certain categories of audio/video content that are always to be encrypted during times when the communication failure prohibits communication of live encryption keys to the conditional access encryption system.</u>

24. (Currently Amended) The method of claim 23, further comprising:

if communication is achieved between the conditional access management system and the conditional access system:

receiving active encryption information for the <u>certain categories of</u> audio/video content for distribution in the conditional access system;

encrypting the <u>certain categories of</u> content with the active encryption information; and

distributing the <u>certain categories of</u> content encrypted with active encryption information.

25. (Currently Amended) The method of claim 23, wherein the <u>fixed</u> default encryption information comprises <u>fixed</u> default encryption keys.

26. (Currently Amended) The method of claim 25, wherein the fixed default encryption keys are

unique for each of a plurality of channels.

27. (Cancelled Without Prejudice)

28. (Original) A computer readable medium storing instructions which, when executed on a

programmed processor, carry out the process according to claim 23.

29. (Currently Amended) A method of default encryption of audio/video content for distribution,

comprising:

initializing a non-volatile default configuration memory with fixed default encryption

information:

communicating with a conditional access management system to retrieve active

encryption information for certain categories of the audio/video content that are always to be

encrypted for distribution in a conditional access system;

encrypting the certain categories of audio/video content with the active encryption

information;

distributing the certain categories of audio/video content encrypted with active encryption

information:

signaling all set-top boxes within the conditional access system instructing them to use

the active encryption information;

if a communication failure occurs between the conditional access management system

and the conditional access system in which said communication failure results in an inability for

the conditional access management system to provide the active encryption information to the

conditional access encryption system which would otherwise result in the certain categories of

audio/video content being distributed unencrypted:

reading the fixed default encryption information from the default configuration

memory. the default eneryption information being distinct from active eneryption information

supplied by the conditional access management system;

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encrypting the <u>certain categories of</u> audio/video content with the default encryption information;

signaling all set-top boxes within the conditional access system instructing them to use the fixed default encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with the <u>fixed</u> default encryption information <u>so that the conditional access encryption system utilizes the fixed default encryption information to provide encryption to the certain categories of audio/video content that are always to be encrypted during times when the communication failure prohibits communication of live encryption keys to the conditional access encryption system.</u>

30. (Currently Amended) The method of claim 29, further comprising:

if communication is restored between the conditional access management system and the conditional access system:

receiving active encryption information for the <u>certain categories of</u> audio/video content for distribution in the conditional access system;

encrypting the <u>certain categories of</u> audio/video content with the active encryption information;

signaling all set-top boxes within the conditional access system instructing them to use the active encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with active encryption information.

- 31. (Currently Amended) The method of claim 29, wherein the <u>fixed</u> default encryption information comprises default encryption keys.
- 32. (Currently Amended) The method of claim 31, wherein the <u>fixed</u> default encryption keys are unique for each of a plurality of channels.
- 33. (Cancelled Without Prejudice)

34. (Original) A computer readable medium storing instructions which, when executed on a programmed processor, carry out the process according to claim 29.

35. (Currently Amended) A method of default encryption of audio/video content for distribution, comprising:

initializing a <u>non-volatile</u> default configuration memory with <u>fixed</u> default encryption information:

attempting to communicate with a conditional access management system to retrieve active encryption information for <u>certain categories of</u> the <u>audio/video</u> content <u>that are always to</u> be encrypted for distribution in a conditional access system;

if communication cannot be established between the conditional access management system and the conditional access system such that said not establishing communication results in an inability for the conditional access management system to provide the active encryption information to the conditional access encryption system which would otherwise result in the certain categories of audio/video content being distributed unencrypted:

reading the <u>fixed</u> default encryption information from the default configuration memory, the default encryption information being distinct active encryption information supplied by the conditional access management system;

encrypting the <u>certain categories of</u> audio/video content with the <u>fixed</u> default encryption information;

signaling all set-top boxes within the conditional access system instructing them to use the <u>fixed</u> default encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with the <u>fixed</u> default encryption information.

36. (Currently Amended) The method of claim 35, further comprising:

if communication is achieved between the conditional access management system and the conditional access system:

receiving active encryption information for the <u>certain categories of</u> audio/video content for distribution in the conditional access system;

encrypting the <u>certain categories of</u> audio/video content with the active encryption information;

signaling all set-top boxes within the conditional access system instructing them to use the active encryption information; and

distributing the <u>certain categories of</u> audio/video content encrypted with active encryption information.

- 37. (Currently Amended) The method of claim 35, wherein the <u>fixed</u> default encryption information comprises <u>fixed</u> default encryption keys.
- 38. (Currently Amended) The method of claim 37, wherein the <u>fixed</u> default encryption keys are unique for each of a plurality of channels.
- 39. (Cancelled Without Prejudice)
- 40. (Original) A computer readable medium storing instructions which, when executed on a programmed processor, carry out the process according to claim 35.
- 41. (Currently Amended) An apparatus for default decryption of audio/video content, comprising:

a receiver conditional access system that provides decryption functions;

an even decryption engine;

an odd decryption engine;

a memory storing odd and even decryption keys for use by the odd and even decryption engines;

said memory also <u>comprising non-volatile storage</u> storing a <u>fixed</u> default decryption key for use to decrypt <u>certain categories of</u> the audio/video content <u>that are always to be encrypted</u>

when the conditional access system receives signaling instructing it to use the default decryption

key instead of the odd and even decryption keys; and

wherein, such signaling instruction is received when a communication failure at an

audio/video content provider would otherwise permit content to be provided without benefit of

encryption for decryption using the odd and even decryption keys by the odd and even

decryption engines so that the certain categories of audio/video content are always encrypted.

42. (Currently Amended) The apparatus of claim 41, wherein the <u>fixed</u> default decryption

information comprises fixed default decryption keys.

43. (Currently Amended) The apparatus of claim 42, wherein the fixed default decryption keys

are unique for each of a plurality of channels.

44. (Currently Amended) The apparatus of claim 41, wherein, when signaled to initialize the

fixed default decryption key, the conditional access system initializes the memory with fixed

default encryption information received with the signaling.

45. (Cancelled Without Prejudice)

46. (Previously Presented) The apparatus of claim 41, wherein the content is decrypted with the

fixed default decryption key upon reception of signaling instructing the conditional access

system to use the <u>fixed</u> default decryption key.

47. (Currently Amended) An apparatus for default decryption of audio/video content,

comprising:

means for receiving audio/video content in a conditional access system that provides

decryption functions;

an even decryption engine;

an odd decryption engine;

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a memory storing alternate decryption code words serving as live decryption keys for use

by the odd and even decryption engines;

means for receiving signaling in the conditional access system;

means for storing fixed default decryption information in a non-volatile manner for

audio/video content received in the conditional access system for use to decrypt the certain

categories of audio/video content that are always to be encrypted when the conditional access

system receives signaling instructing it to use the fixed default decryption information instead of

the odd and even decryption keys, wherein such signaling instruction is received when a

communication failure at an audio/video content provider would otherwise permit the certain

categories of audio/video content to be provided without benefit of encryption for decryption

using the odd or even decryption keys; and

means for configuring the storing means with the fixed default decryption information,

where the conditional access encryption system utilizes the fixed default encryption

information to provide encryption to the certain categories of audio/video content that are always

to be encrypted during times when the communication failure prohibits communication of live

encryption keys to the conditional access encryption system.

48. (Currently Amended) The apparatus of claim 47, wherein the fixed default decryption

information comprises fixed default decryption keys.

49. (Currently Amended) The apparatus of claim 48, wherein the fixed default decryption keys

are unique for each of a plurality of channels.

50. (Cancelled Without Prejudice)

51. (Currently Amended) The apparatus of claim 47, wherein the certain audio/video content is

decrypted with the fixed default decryption information upon reception of signaling instructing

the conditional access system to use the <u>fixed</u> default decryption information.

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52. (Currently Amended) A method of default decryption of audio/video content, comprising:

receiving audio/video content in a conditional access system that provides decryption functions, said audio/video content normally being decrypted using an even decryption engine and an odd decryption engine operating by use of <u>active</u> odd and even decryption keys;

receiving signaling instructing storage of <u>fixed</u> default decryption information for <u>decryption of certain audio/video</u> content <u>that are always to be encrypted</u> in a conditional access system;

receiving <u>fixed</u> default decryption information for use to decrypt the <u>fixed</u> audio/video content when the conditional access system receives signaling instructing it to use the <u>fixed</u> default decryption information;

initializing a <u>non-volatile</u> default configuration memory with the <u>fixed</u> default decryption information;

receiving active decryption information with audio/video content in the conditional access system;

decrypting selected channels with the odd and even decryption engines using the odd and even decryption keys;

if signaling reception instructs use of the <u>fixed</u> default decryption information for the conditional access system:

reading the <u>fixed</u> default decryption information for the audio/video content from the default configuration memory; and

decrypting audio/video content with the <u>fixed</u> default decryption information; and wherein, such signaling reception instructs use of the default decryption information when a communication failure at an audio/video content provider would otherwise permit content to be provided without benefit of encryption for decryption using the odd and even decryption keys by the odd and even decryption engines <u>so that the certain content can always be encrypted</u>.

53. (Previously Presented) The method of claim 52, further comprising:

if signaling reception instructs use of active decryption information:

receiving active decryption information with the audio/video content in the conditional access system;

decrypting audio/video content with the active decryption information.

- 54. (Currently Amended) The method of claim 52, wherein the <u>fixed</u> default decryption information comprises <u>fixed</u> default decryption keys.
- 55. (Currently Amended) The method of claim 54, wherein the <u>fixed</u> default decryption keys are unique for each of a plurality of channels.
- 56. (Cancelled Without Prejudice)
- 57. (Original) A computer readable medium storing instructions which, when executed on a programmed processor, carry out the process according to claim 52.